

HUDSON RIVER PCBs REASSESSMENT RI/FS
PHASE 3 REPORT: FEASIBILITY STUDY

LIST OF FIGURES

CHAPTER 3

- 3-1 Features of Interest in the Upper Hudson Vicinity
- 3-2 Location of 1996 and 1997 GE Float Survey Samples
- 3-3 GE Float Survey Results for the TI Pool
- 3-4 Principal Component 1 versus Principal Component 2 and MDPR versus Delta MW for GE Float Survey Data
- 3-5 Effective Rogers Island Concentration on Mixing Curve
- 3-6 Cohesive Sediment Area and Central Channel Total PCBs as a Function of River Mile
- 3-7 1999 Coring Results in Hot Spot 14
- 3-8 Erosion Area in TI Pool as Identified by Side Scan Sonar
- 3-9 Length Weighted Average Concentration and Mass per Unit Area Calculations
- 3-10 Correlations Among PCB Metrics for 1984 NYSDEC Sediment Survey
- 3-11 Correlations Among PCB Metrics for USEPA Low Resolution Sediment Coring Survey
- 3-12 Relationship among MPA, PCB Mass and Sediment Area in TI Pool (based on 1984 sediment survey)
- 3-13 Relationship among MPA, PCB Mass and Sediment Area in the Cohesive Area in the TI Pool (based on 1984 sediment survey)
- 3-14 Relationship among MPA, PCB Mass and Sediment Area in the Non-cohesive Area in the TI Pool (based on 1984 sediment survey)
- 3-15 Selection of Remediation Areas for Expanded Hot Spot Removal: *Hot Spot 8*
- 3-16 Selection of Remediation Areas for Expanded Hot Spot Removal: *Hot Spot 14*
- 3-17 Selection of Remediation Areas for Expanded Hot Spot Removal: *Hot Spot 28*
- 3-18 Selection of Remediation Areas for Expanded Hot Spot Removal: RM 183.25 - 184.25
- 3-19 Selection of Remediation Areas for Expanded Hot Spot Removal: *Hot Spot 36*
- 3-20 Selection of Remediation Areas for Hot Spot Removal: *Hot Spot 8*
- 3-21 Selection of Remediation Areas for Hot Spot Removal: *Hot Spot 14*
- 3-22 Assessment of the Capture Efficiency for the Expanded Hot Spot Remediation Tri+ PCB Concentration and MPA Histograms for 1984 NYSDEC Data Within and Outside of Remedial Area
- 3-23 Assessment of the Capture Efficiency for the Hot Spot Remediation Tri+ PCB Concentration and MPA Histograms for 1984 NYSDEC Data Within and Outside of Remedial Area

Figure 3-18. Selection of Remediation Areas for Expanded Hot Spot Removal: RM 183.25 - 184.25

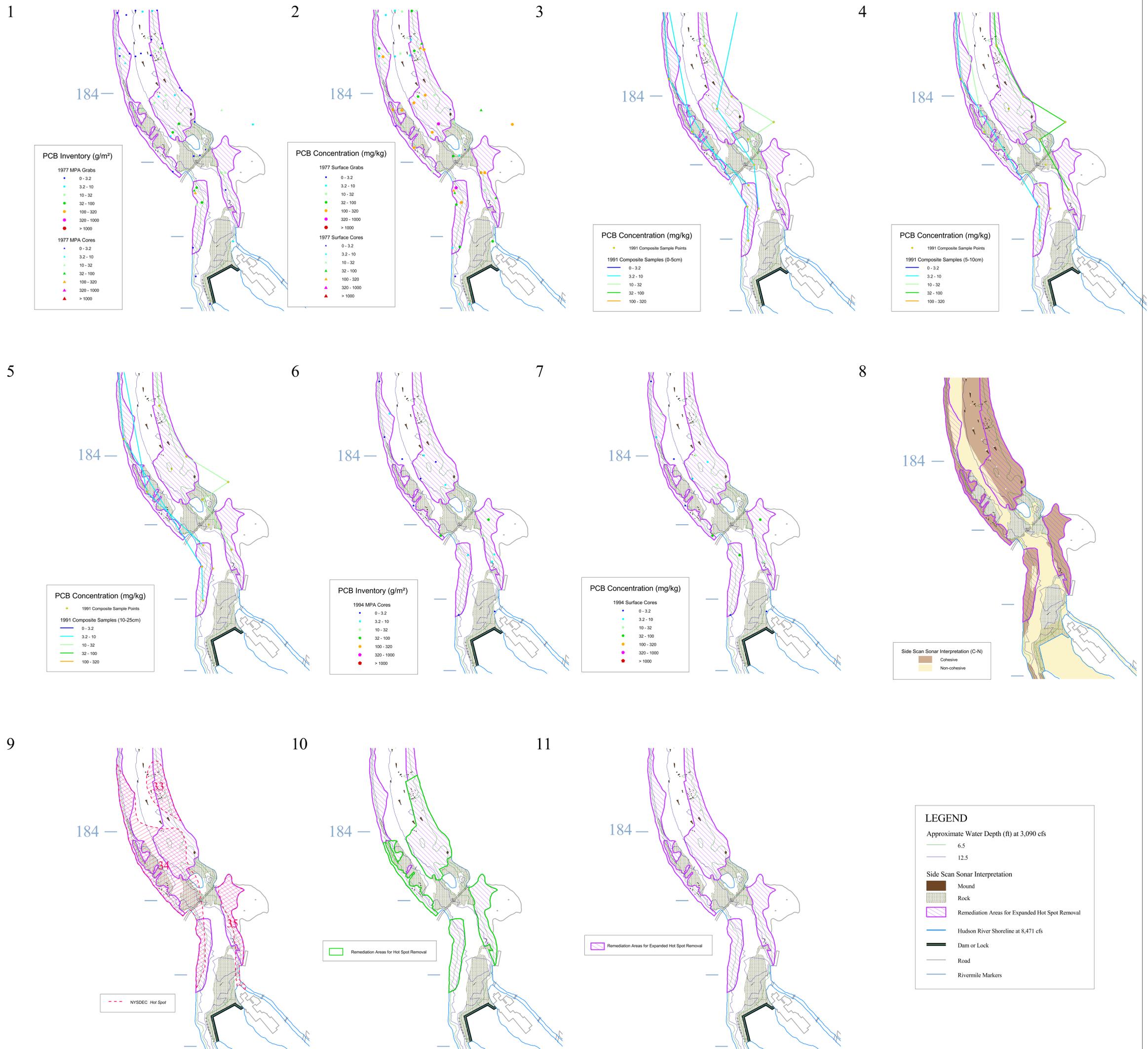
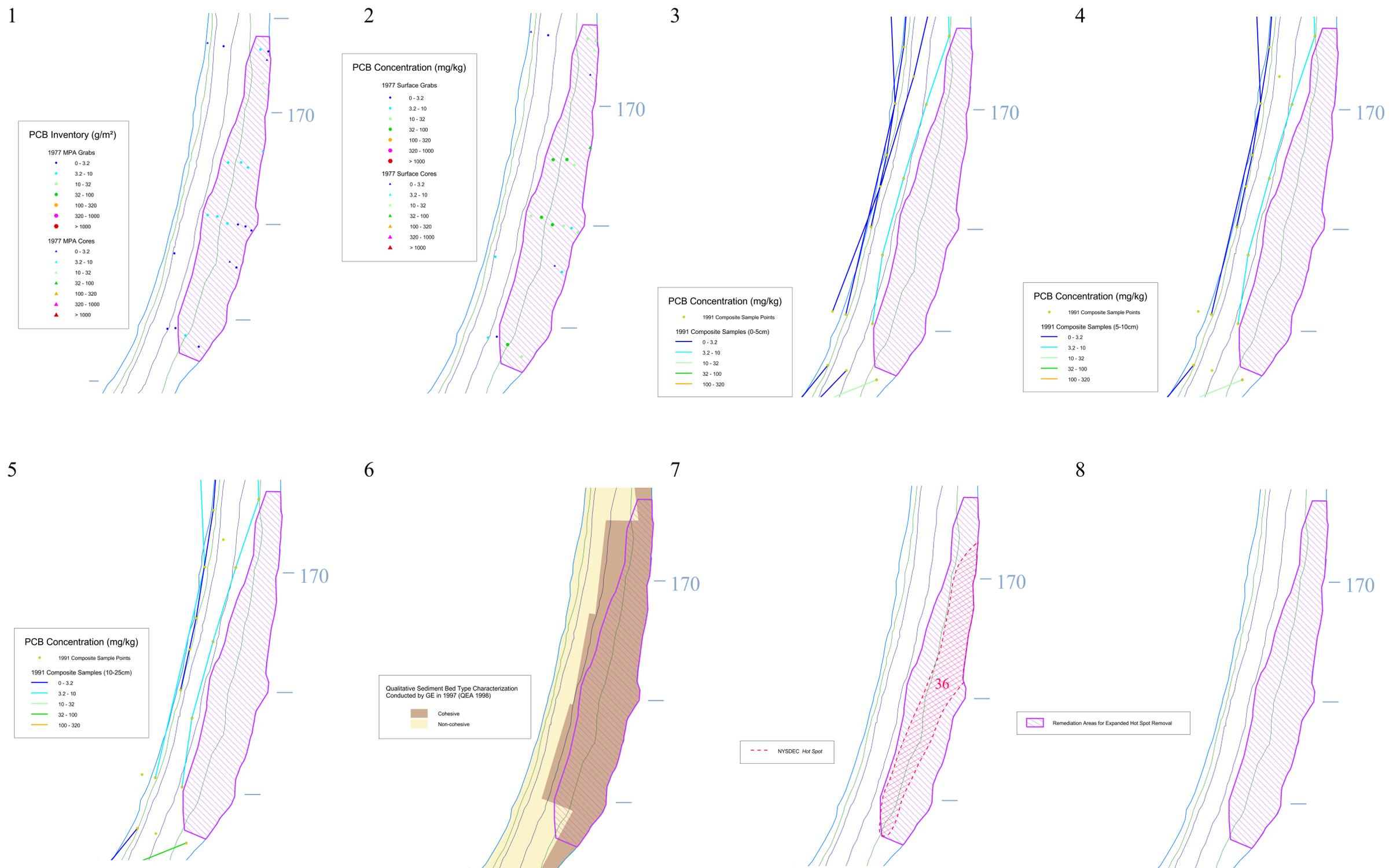


Figure 3-19. Selection of Remediation Areas for Expanded Hot Spot Removal: *Hot Spot 36* (RM 170.25 - RM 169.25)



LEGEND

- Approximate Water Depth (ft) at 3,090 cfs: 6.5, 12.5
- Side Scan Sonar Interpretation: Mound, Rock
- Remediation Areas for Expanded Hot Spot Removal
- Hudson River Shoreline at 8,471 cfs
- Dam or Lock
- Road
- Rivemile Markers

*Note: No areas were selected under Hot Spot Remediation



Figure 3-20. Selection of Remediation Areas for Hot Spot Removal: *Hot Spot 8*

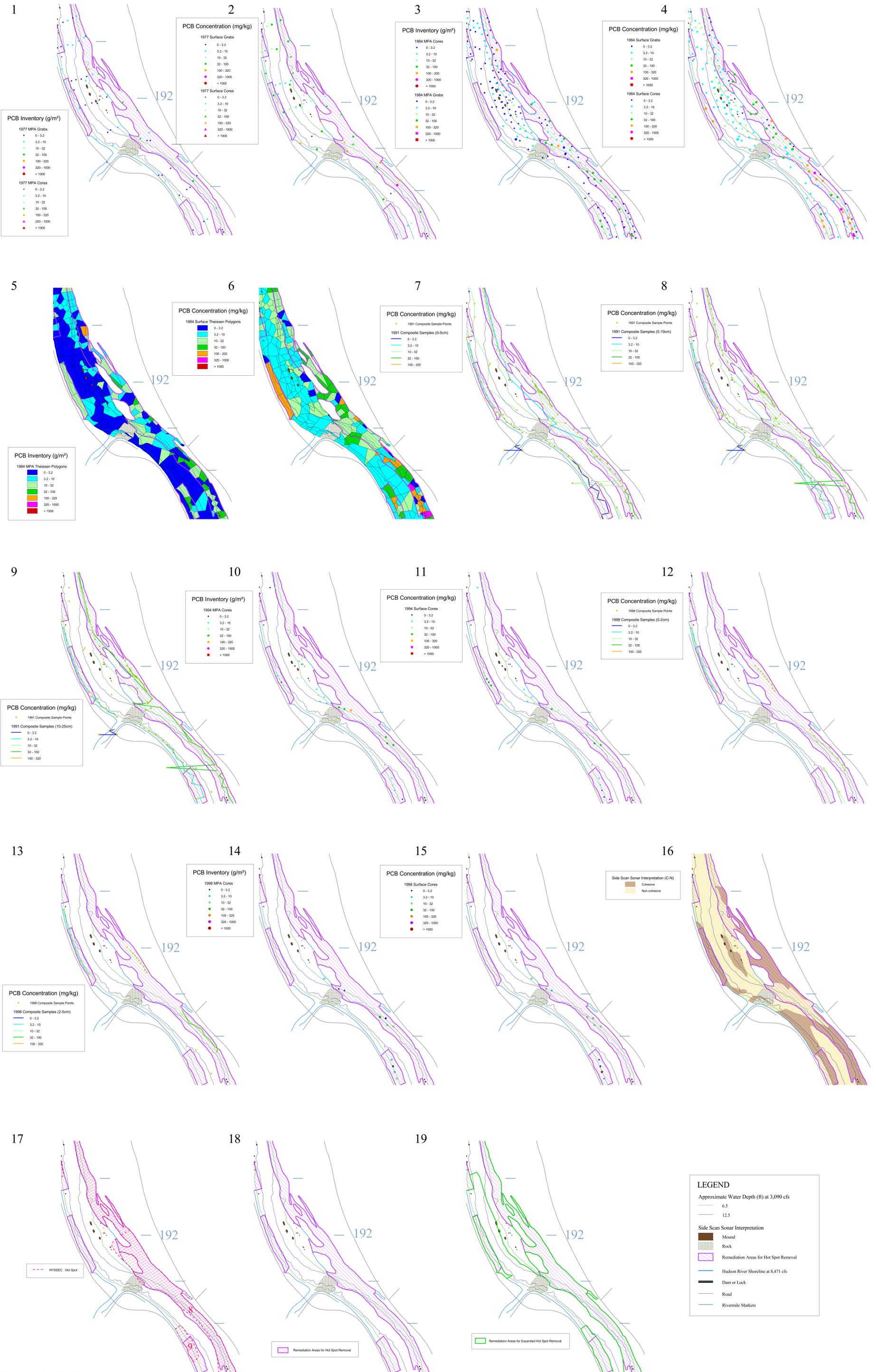
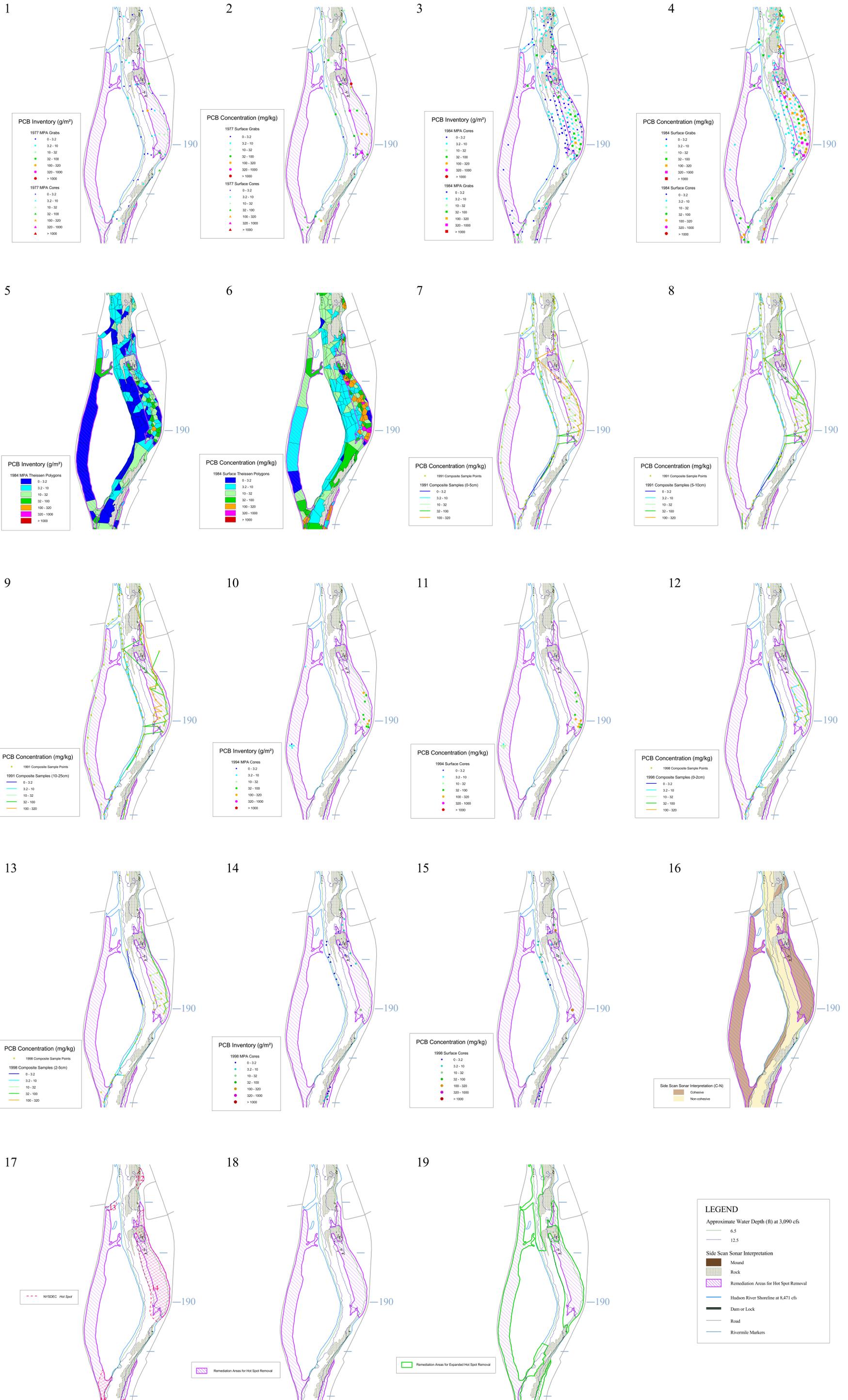
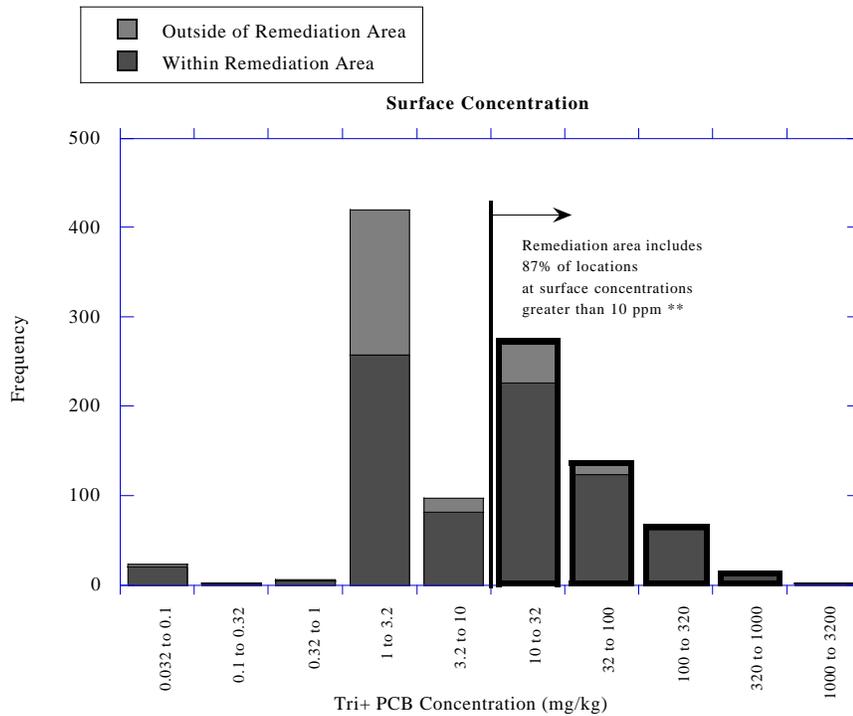
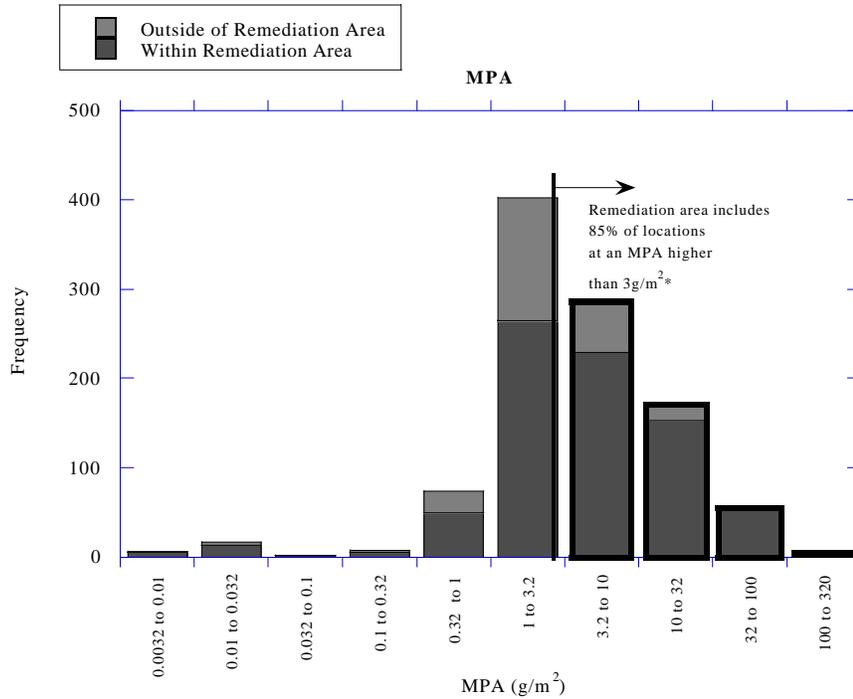


Figure 3-21. Selection of Remediation Areas for Hot Spot Removal:
Hot Spot 14



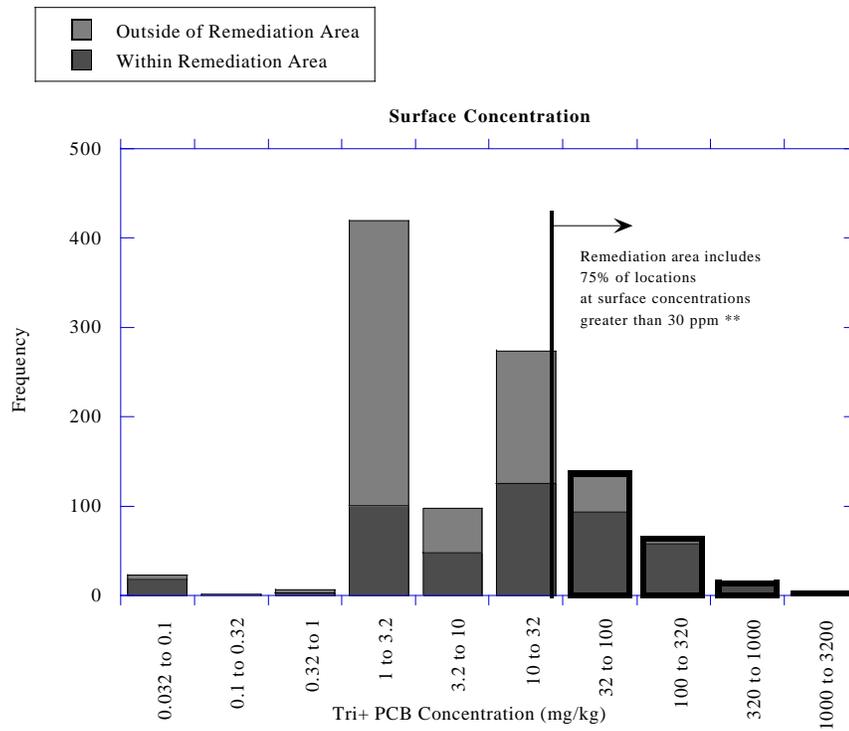
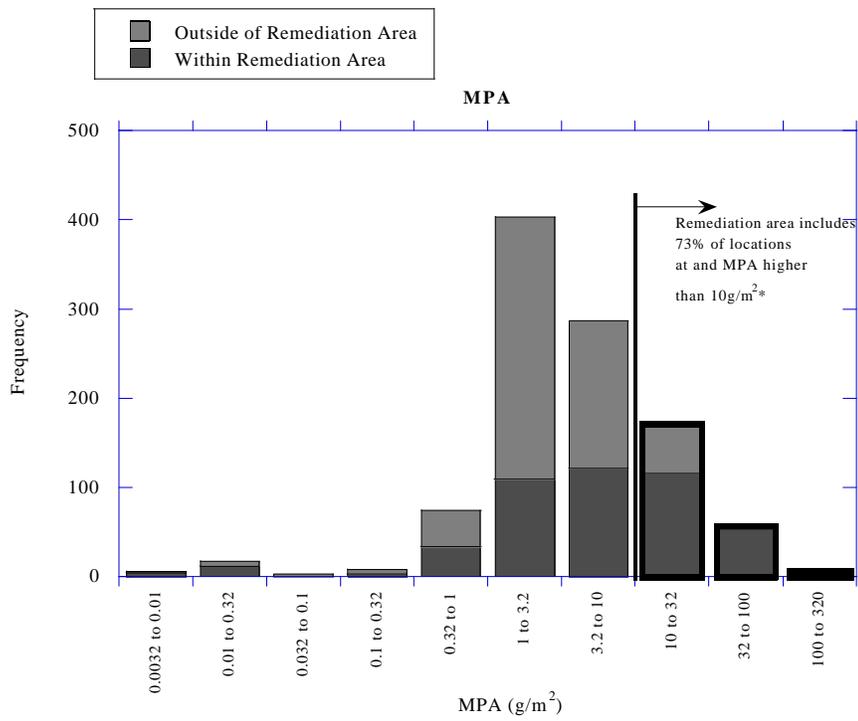


* Remediation areas include 77% of the locations at an MPA higher than 1 g/m²

**Remediation areas include 86% of the locations at surface concentration greater than 3.3 ppm

Figure 3-22

Assessment of the Capture Efficiency for the Expanded Hotspot Remediation
 Tri+ PCB Concentration and MPA Histograms for 1984 NYSDEC Data
 Within and Outside of Remedial Area



TAMS

Figure 3-23
Assessment of the Capture Efficiency for the Hotspot Remediation
Tri+ PCB Concentration and MPA Histograms for 1984 NYSDEC Data
Within and Outside of Remedial Area